

Studor air admittance valve approval includes innovative education requirement

continuing
education

The Safety and Buildings Division plumbing system approval for use in Wisconsin of the Studor, Inc. Mini- and Maxi-Vent air admittance valves, beginning January 1, 2001, includes the innovative requirement that the company provide educational classes before the valves are put into use.

The valves are intended to provide drain and waste venting with only one roof penetration for vent piping in commercial or residential applications.

There are a number of stipulations as part of the approval of the system, notably that the valves can only be used to relieve negative pressures and must be physically accessible. These and other design and installation requirements are part of the upcoming free training, and also are listed in the system approval letter, which is available from the manufacturer.

The Studor classes will provide three continuing

education hours for Master Plumbers, Journeyman Plumbers, and UDC-Plumbing Inspectors. There will be no charge for the classes (to be held in the mornings).

For registration, or information on the classes and the continuing education opportunity, contact the company, 800-447-4721.

Nov. 7, 2000, 9 a.m. - Noon, **Rhineland**, Holiday Acres Resort.

Nov. 8, 2000, 9 a.m. - Noon, **Stevens Point**, Holiday Inn.

Nov. 9, 2000, 9 a.m. - Noon, **Eau Claire**, Ramada Inn.

Nov. 14, 2000, 9 a.m. - Noon, Fond du Lac, Holiday Inn.

Nov. 15, 2000, 8 - 11 a.m., **Waukesha**, Country Inn.

Nov. 16, 2000, **Platteville**, 9 a.m. - Noon, Gov. Dodge Motor Inn,

Nov. 17, 2000, 9 a.m. - Noon, **Madison**, Sheraton Inn.



Inside this WPCR

Comm 83 status report	page 3
POWTS contour line requirements	page 4
Plumbing section chief changes	page 6
About 4-inch interceptors	page 6
Internet Con Ed advertisement	page 7
Comm 83 component manuals for sale	page 8
How to become a POWTS Maintainer	page 9
Plumbing Consultants map	page 10
Wastewater Specialists map	page 11

Wisconsin Plumbing Codes Report

Safety and Buildings Division, Department of Commerce

Volume 16 No. 10

October 2000

Sample S&B email address: tjoyce@commerce.state.wi.us

Safety and Buildings Offices

Green Bay Office
2331 San Luis Pl #150
Green Bay WI 54304
920-492-5601
Fax 920-492-5604
greenbaysch@commerce.state.wi.us

Hayward Office
10541N Ranch Rd.
Hayward WI 54843
715-634-4870
Fax 715-634-5150
haywardsch@commerce.state.wi.us

La Crosse Office
4003 North Kinney
Coulee Road
LaCrosse WI 54603
608-785-9334
Fax 608-785-9330
lacrossesch@commerce.state.wi.us

Madison Office
201 W Washington Ave
PO 2658
Madison WI 53701
608-266-3151
Fax 608-267-9566
madisonsch@commerce.state.wi.us

Shawano Office
1340 E Green Bay St #300
Shawano WI 54166
715-524-3626
Fax 715-524-3633
shawanosch@commerce.state.wi.us

Waukesha Office
401 Pilot Ct # C
Waukesha WI 53188
262-548-8600
Fax 262-548-8614
waukeshasch@commerce.state.wi.us

Plan Review Scheduling

For plan review scheduling for Plumbing and Buildings, call the S&B office numbers listed above, or contact the email address shown. Fax scheduling is possible, 877-840-9172. Information about the project will be needed to schedule the plan review. Any of the offices can schedule the first appropriate plan review available statewide.

Plan review for Private Onsite Wastewater Treatment Systems is provided on a first-come, first-served basis. Contact one of the offices for information.

For scheduling info, also see <http://www.commerce.state.wi.us/SB/SB-DailyDoc.html>.

Direct comments, address, suggestions for articles, etc., to Todd Taylor. Fax 608-264-8795. Telephone 608-267-3606.
ttaylor@commerce.state.wi.us/
Madison mailing address above.

Plumbing Consultants

Tom Braun	Stevens Point	715-345-5335
Don Hough	Hayward	715-634-4804
Tim Joyce	Madison	608-825-4724
Don Oremus	Pelican Lake	715-487-6123
Robert Samuels	Waukesha	262-548-8600
Jim Wehinger	Friendship	608-339-7430
Jim Zickert	Eldorado	920-872-2656
Harold Stanlick, Superv.		262-521-5065

Plumbing Plan Reviewers

Ryan Boebel	Madison	608-261-6535
Herman Delfosse	La Crosse	608-789-5535
Tom Devereaux	Hayward	715-634-3026
Wes Grube	Green Bay	920-492-5613
Dan Kraft	Madison	608-266-8075
Ken Pertzborn	Madison	608-267-2242
Curt Wendorff	Shawano	715-526-9056

Plumbing Products Reviewers

Mike Beckwith	Madison	608-266-6742
Dan Jensen	Madison	608-267-5265
Glen Schlueter	Madison	608-267-1401

POWTS Plan Reviewers

Tom Devereaux	Hayward	715-634-3026
Wes Grube	Green Bay	920-492-5613
Julia Lewis	Waukesha	262-548-8638
Robert Kanter	Madison	608-261-7735
Pete Pagel	Madison	608-266-2889
Jim Quinlan	Madison	608-266-3937
Pat Shandorf	Hayward	715-634-7810
Jerry Swim	La Crosse	608-789-7892
Keith Wilkinson	Shawano	715-524-3630

POWTS Wastewater Specialists

Ross Fugill	Shawano	715-524-3629
Matthew Janzen	Stevens Point	715-345-5336
Leroy Jansky	Chippewa Falls	715-726-2544
Carl Lippert	Hayward	715-634-3484
Karl Schultz	Oshkosh	920-424-3311
Dennis Sorenson	La Crosse	608-785-9336
Duane Steiner	West Baraboo	608-355-3159
Allen Wendorf	Madison	608-873-5476
Harold Stanlick, Superv.		262-521-5065

Public Swimming Pool Reviewer

Dave Russell	Madison	608-267-3605
--------------	---------	--------------

The WPCR is a monthly publication delivered to about 9,700 people as part of their certification, license, or registration with the Wisconsin Department of Commerce, Safety and Buildings Division. Subscriptions are also available.
SBD 8340P

The Department of Commerce does not discriminate on the basis of disability in the provision of services or in employment. If you need this printed material interpreted or in a different form, or if you need assistance in using this service, please contact us, 608-266-3151, TTY 608-264-8777.

Comm 83 Implementation – Status after 60 Days

by Roman Kaminski, S&B POWTS Program Manager, rkaminski@commerce.state.wi.us, 715-345-5334

By the time you read this article, three months will have passed since the Comm 83 code package was adopted and implementation began. Contrary to a few rumors circulating around the state, POWTS plans still are being designed and approved, counties are issuing sanitary permits, and whenever the wet weather we have been experiencing allows, systems are being installed.

The revised Comm 83 code allows counties to delay until January 1, 2003 use of certain technologies for new construction sites. These technologies include aerobic treatment units, sand filters, disinfection devices, drip line, and A+4 mounds. (See Comm Table 83.04-2.)

The Safety and Buildings Division surveyed the counties approximately 60 days after code implementation to find out how the delay option is being handled on a statewide basis.

Here's what we found:

* 54 counties had not delayed use of any of the technologies listed in Comm Table 83.04-2.

* 14 counties had or said they would adopt some form of delay or limit for the listed technologies. Of the 14 counties opting for some form of delay, three had or said they would adopt a total delay of all the technologies, including the A+4 mound, until January

1, 2003. The other 11 counties are using a variety of strategies, including delays ranging from six months to two years for one or more of the technologies, or allowing use of the technologies on lots of record that have not been developed.

Three counties were still not sure what they would do at the time they were surveyed.

The adoption of the code provided an opportunity or need, depending on individual circumstances, to revise county onsite/sanitation ordinances. For example if a county opted to institute a delay or limit of the technologies cited above, this would have to be done by revising their ordinance. So far...

20 counties have completed revisions of their onsite/sanitation ordinances.

continued on page six

Agent Muni Contact Correction

S&B was given the wrong address and telephone number for contacting the City of Milwaukee plumbing plan review unit as an agent city. The wrong info was printed in the August WPCR. The correct address is 809 N. Broadway, and the telephone number 414-286-3116.

For those of you who receive the WPCR free because you have a particular license administered by the Safety and Buildings Division, address changes should be provided to the S&B Credential Unit, madisoncred@commerce.state.wi.us, 608-261-8500.

People with paid subscriptions, may request service and address changes from Material Orders, PO Box 2509, Madison, WI 53701. Fax 608-261-6699. Telephone 608-267-4405. Email phobbs@commerce.state.wi.us

Subscriptions are \$20, payable in advance to the Safety and Buildings Division for 12 monthly issues.

Site Reporting Requirements - Contour Lines

by Leroy G. Jansky, S&B Wastewater Specialist, Ljansky@commerce.state.wi.us, 715-726-2544

July 1, 2000 not only marked the implementation of the revised Comm 83, Private Onsite Wastewater Treatment System Code, it also marked the implementation of a separate soil and site evaluation code.

The former Platting Code, Comm 85, was repealed and then recreated as the Soil and Site Evaluation Code, which covers the standards under which a Certified Soil Tester (CST) evaluates sites for a POWTS.

Fortunately, the soil and site evaluation program in Wisconsin has been constantly maturing since its inception back in 1974, and many recent changes fit well into current standards. One change, however, the need to show contour lines, needs clarification.

Specifically, Comm 85.40(3)(a), relates to the contents of site reports that CSTs or other qualified persons would normally complete for each site they evaluate. A new requirement was established under Comm 85.40(3)(a)5d which requires pertinent elevation data such as ground surface contours to be reported at an appropriate interval on the site plan. This section of the code is not a recommendation. It is a requirement similar, for example, to the reference to and description of a permanent horizontal and

vertical reference point or bench mark under Comm 85.40(3)(a)5a.

The new Soil and Site Evaluation Code allows CSTs to use some professional judgement as to what the pertinent elevation data is for a site. However, 85.40(3)(a)5 enumerates the minimum data that is

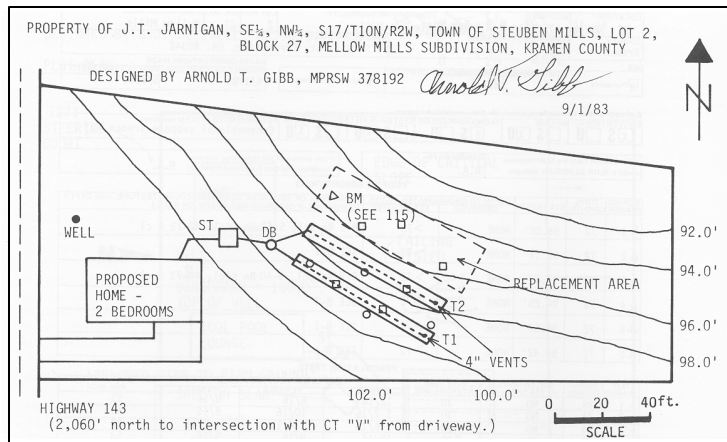
needed. The word “pertinent,” as cited in the above code subdivision, means “to have a precise logical relevance to the matter at hand.” When applied to onsite wastewater treatment system design, performance, and installation, ground surface

contours indeed have relevance. Therefore, contours are part of the information a professional CST collects as part of a comprehensive evaluation that accurately reflects soil and site conditions.

The need for surface grade contours is supported by both Comm 83.43(8)(d) and 83.44(6)(a)2.

Comm 83.43(8)(d) requires designers to orient the dispersal component (i.e. the soil absorption system) in a manner that takes into account landscape variations in elevation, slope orientation, and other conditions that could affect component performance relative to dispersal or aeration.

One example of orientation affecting performance



State administrative codes and the code update service may be purchased by contacting state Document Sales, 608-266-3358, or 800-362-7253, for credit card purchases. ❖ ❖ ❖ ❖ ❖ ❖

would be nutrient loading to groundwater. Groundwater flow is often thought to be perpendicular to the surface contour of the land. Thus when systems are aligned along the contour, nutrient loading to groundwater resources are spread out and not concentrated in narrow plumes. Contaminate plumes that are diluted by mixing with a larger volume of groundwater can have less impact on a point of use such as a potable drinking water well.

The second code reference, 83.44(6)(a)2, simply requires designers to orient the longest dimension of dispersal cells along the surface contour unless otherwise approved by the Safety and Buildings Division. So, to meet the above requirements it is necessary for CSTs, under nearly all circumstances, to provide contour lines on their site plans.

One condition where it is not pertinent to provide ground surface contours would be for the installation of a holding tank. The design, installation, and performance of a holding tank does not depend on the orientation of the tank, and since a holding tank doesn't disperse wastewater to its onsite environment Comm 83.44(6)(a)2 doesn't apply.

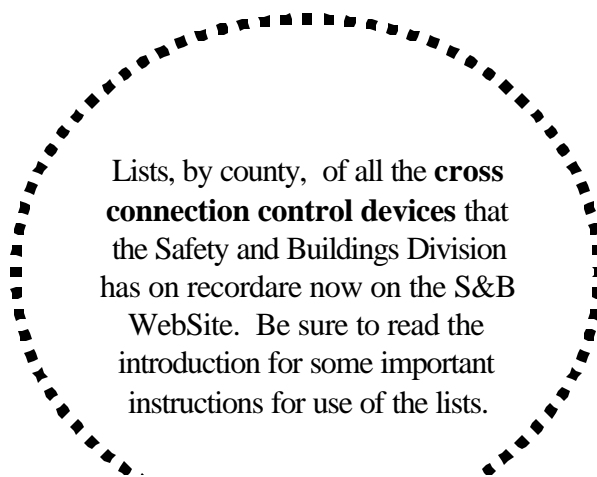
S&B WebSite:
www.commerce.state.
wi.us/SB

S&B Bureau of Integrated Services Management Contacts

Bureau Director: Randy Baldwin, 608-267-9152
Green Bay office: Brad Johnson, 920-492-5605
Hayward Office: John Spalding, 608-789-4693
LaCrosse Office: John Spalding, 608-789-4693
Madison Office: Clyde Bryant 608-266-1835
Tom Kasper 608-267-7586
Mary Jacobson 608-266-8456
Jim Miller 608-266-8072
Credentialing Unit Supervisor, vacant
Mobile Home Unit Super., Malini
Ganeshapillai, 608-266-5333
Shawano Office: Brad Johnson, 715-524-6853
Waukesha Office: Tony Rubio, 262-548-8610

When contours are required, they must be shown on a scale drawing. Several of the new component manuals require contours to be shown up to 25 feet beyond the proposed dispersal area. An appropriate contour interval must be used; and it will normally be one to two feet. Dimensioned drawings may still be used for portions of the site plan not associated with the contours and for those sites where a holding tank is the only option.

If you have any questions about the requirements for contour intervals, feel free to contact your Wastewater Specialist or any POWTS Plan Reviewer. Their names and telephone numbers are listed on page 2 of this *WPCR* or on the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-POWTSPProgram.html>.



<http://www.commerce.state.wi.us/SB/SB-PlumbingCrossConnect.html>

Questions about your continuing education credits?

Check the mailing address area on the back page for a printed line giving your status for inspection-related S&B certifications, licenses, and registrations. Or, call the Credentialing Unit, 608-261-8500. Or, check the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-HomePage.html>, choose "Credentials."

A few words about four-inch private interceptors

First off, a reference on page four of the August *WPCR* noted, “Designs for private interceptor main sewers of less than four inches in diameter (gravity sizing) will not be required to be submitted for plan review after September 1.” That should have said “four inches or less.”

Secondly, an important factor must be stressed. The change in code dealt with *gravity* flow interceptors four inches or less in diameter. *Pressurized* private interceptors of whatever size (two-inch, three-inch, four-inch, whatever) still require plan review.

The calculations of fixture units involved in a four-inch or less gravity sewer does not now require the

amount of scrutiny that a pressurized system merits.

For more information, contact any of the Plumbing Plan Reviewers or Plumbing Consultants listed on page 2 of this *WPCR*.

Comm 83 Implementation

continued from page three

42 counties were in various stages of revising their ordinances. Many hope to complete the process by January 1, 2001.

9 counties reported that they did not intend to revise their ordinances.

We also asked how many counties felt that they have at least one individual on their staff that is trained in the technologies listed in Table 83.04-1. (This table includes all the technologies listed in Table 83.04-2, with the exception of the A+4 mound.)

61 counties reported they have at least one individual trained on the new technologies.

10 counties reported they do not have someone trained yet on the new technologies.

As you can see, significant progress has been made in several key areas surrounding the code implementation in a relatively short amount of time.

Plumbing section chief duties change hands

Harold Stanlick is now the Plumbing and POWTS Programs section chief for the Safety and Buildings Division, Bureau of Field Operations.

Tom Bembnister, the previous plumbing section chief in that bureau, has resigned to take a position with Indianhead Technical School.

Stanlick will now supervise the regional Plumbing Consultants, as well as the regional Wastewater Specialists. He may be reached at 262-521-5065, hstanlick@commerce.state.wi.us.

Event Calendar

November 1, 2000, Wednesday, **Uniform Dwelling Code Council**, 9:30 a.m. - 2:30 p.m., Wisconsin Builders Association, 4868 High Crossing Blvd, Madison, Duane Hubeler, 608-266-1390, dhubeler@commerce.state.wi.us.

November 7, 2000, Tuesday, **Automatic Fire Sprinkler System Contractors and Journeymen Council**, 9:30 a.m., Thompson Commerce Center, Rm. 4A, 201 W Washington Ave., Madison, Ron Acker, 608-267-7907, racker@commerce.state.wi.us.

Contact the listed Code Consultant for information on the meeting agendas, locations, etc. If you have questions concerning technicalities of the codes which are the subjects of the meetings, contact consultants and reviewers in the appropriate program area.

November 9, 2000, Thursday, **Commercial Building Code Council**, 9 a.m. – 3 p.m., UW-Madison Agricultural Research Station, 8502 Mineral Point Road, Verona, Sam Rockweiler, 608-266-0797, srockweiler@commerce.state.wi.us.

Nov. 15, 2000, Wednesday, **Plumbing Advisory Code Council**, 9 a.m. – 3 p.m., *Location To Be Announced*, Jean MacCubbin, 608-266-0955, jmaccubbin@commerce.state.wi.us.



Internet

Plumbing Continuing Education



Tired of traveling to continuing education classes in all kinds of weather, giving up evenings or Saturdays to attend a scheduled class?

Schmitt Safety Consulting Internet education is your answer!

Training courses you can take at your home or at your office, at your convenience, any time of day or night, any day of the week you choose.

All you need is access to the Internet. You're a few clicks away from completing your education responsibilities online.

Credit hours for Plumbing Professionals

Confined Space Awareness	3 hours credit
Basic First Aid	3 hours credit
OSHA Safety Standards	4 hours credit

These continuing education credit hours have been approved for all categories of plumbing credentials administered by the Safety and Building Division.

****For more information, go to www.schmittsafety.com and click the online training button, then follow the simple instructions.****

Schmitt Safety Consulting

Kevin Schmitt
1111 Huron Street
Manitowoc, WI 54220
Phone: 920-901-6000 FAX: 920-682-8311
E-Mail: ssc@lsol.net

Health and Safety Training Compliance

Lists of all the **cross connection control devices** that the Safety and Buildings Division has on record, by county, are now on the S&B WebSite. Be sure to read the introduction for some important instructions for use of the lists.

<http://www.commerce.state.wi.us/SB/SB-PlumbingCrossConnect.html>

The Comm 83, POWTS Code, component manuals are sold by state Document Sales

The component manuals for the revised Comm 83, POWTS Code, will now be sold through the state Department of Administration's Document Sales and Distribution Section. During the transitional period to the new code, the manuals were distributed by the Safety and Buildings Division Madison office. Now, the manuals will be sold through the same agency that sells Comm 83 and other state administrative codes. For detailed ordering information, contact Document Sales, 608-266-3358, or email them, docsales@doa.state.wi.us.

Conventional Soil Absorption Component Manual (SKU #10567D)
At-Grade Component Manual (SKU #10570D)
Holding Tank Component Manual (SKU #10571D)
Mound Component Manual (SKU #10572D)
Pressure Distribution Component Manual (SKU #10573D)
Single Pass Sand Filter Component Manual (SKU #10595D)
Recirculating Sand Filter Component Manual (SKU #10628D)
Split Bed Recirculating Sand Filter System Component Manual (SKU #10656D)
Drip-Line Effluent Dispersal Component Manual (SKU #10657D)

All the component manuals will continue to be free electronically through the S&B WebSite:
<http://www.commerce.state.wi.us/SB/SB-Publications.html>

How to become a POWTS Maintainer

by Roman Kaminski, S&B POWTS Program Manager, rkaminski@commerce.state.wi.us, 715-345-5334

The new Comm 83 POWTS Code includes a provision that requires the owner of a POWTS system to have a maintenance or service contract with a POWTS Maintainer, if the management plan for the system includes an evaluation, maintenance, or monitoring interval of 12 months or less.

We have received several inquiries about how to obtain this The POWTS Maintainer credential.

A person applying for POWTS Maintainer Registration shall have completed or obtained at least one of the following:

A. At least six hours in a course or courses approved under Comm 5.08 that relate to the theory, operation, maintenance, and inspection of POWTS treatment and dispersal components, including instruction in at least all of the following:

1. Sand Filters
2. Effluent pumps and switches
3. Alarms and floats
4. Active filtration devices
5. Valves and solenoids for distributing effluent
6. Aerobic treatment units

B. At least 60 hours of experience as a licensed master plumber, master plumber-restricted service, journeyman plumber, or journeyman plumber-restricted service installing POWTS treatment and dispersal components that involve installation of at least all devices delineated above.

Note: There is a S&B-approved course available, contact Weiser Concrete Products in Fond du Lac, 920-922-3830. See below. There are also S&B-approved courses available through Multi-Flo of Wisconsin in Janesville. Contact James Baker, 608-754-6472.

There were other courses offered prior to implementation of the Comm 83 code that may be acceptable for fulfillment of the requirements cited above.

You may want to contact the person who offered the course to see if they are willing to request a revision to the course approval to include the POWTS Maintainer credential. If the course

revision is approved, and you have proof of attendance at this course, you may use this documentation as part of your application for the credential.

Contact the S&B Credentialing Unit, 608-261-8500, madisoncred@commerce.state.wi.us, if you would like to apply for the POWTS Maintainer credential.

Comm 83 POWTS Training Seminar

8 a.m. to 3 p.m., Nov. 13, 2000, The Front Porch,
W7562 Hwy 10, Ellsworth (one mile west of Ellsworth)

Topics: “Product Approval by S&B” - “How the Code Update Affects You” - “Aerobic Units” - “Sand Filters”

Organized by the Safety and Buildings Division, with assistance of Wayne Mink, POWTS Advisory Code Committee member - No charge
- Lunch provided by sponsors - Pre-registration by Oct. 31, call Denise or Yvonne at Weiser Concrete, 920-922-3830

Six hours of continuing education for Master Plumbers, Master Plumbers - Restricted Service, Journeyman Plumbers, Journeyman Plumbers - Restricted Service, POWTS Inspectors, Soil Testers, POWTS Maintainers

Map of Safety and Building
Division Plumbing
Consultants,
[http://
www.commerce.state.wi.us/
SB/SB-
PlumbingConsultantsMap.html](http://www.commerce.state.wi.us/SB/SB-PlumbingConsultantsMap.html)

Map of Safety and Building
Division Wastewater
Specialists,
[http://
www.commerce.state.wi.us/
SB/SB-
WastewaterSpecialistsMap.html](http://www.commerce.state.wi.us/SB/SB-WastewaterSpecialistsMap.html)

WPCR - October
Safety and Buildings Division
201 W Washington Ave
PO Box 2509
Madison WI 53701

ADDRESS SERVICE REQUESTED

Bulk Rate
U.S. Postage
PAID
Permit No.
880
Madison WI